

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5990 - L2 Version 5
Chandra X-Ray Center

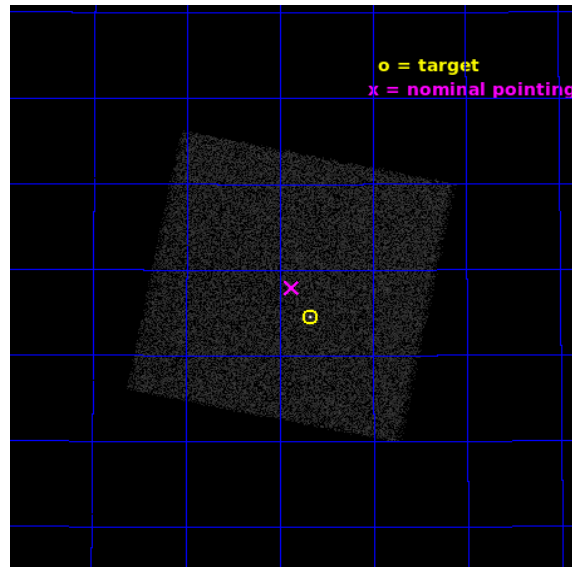
L2 Processing Date : Oct 10 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

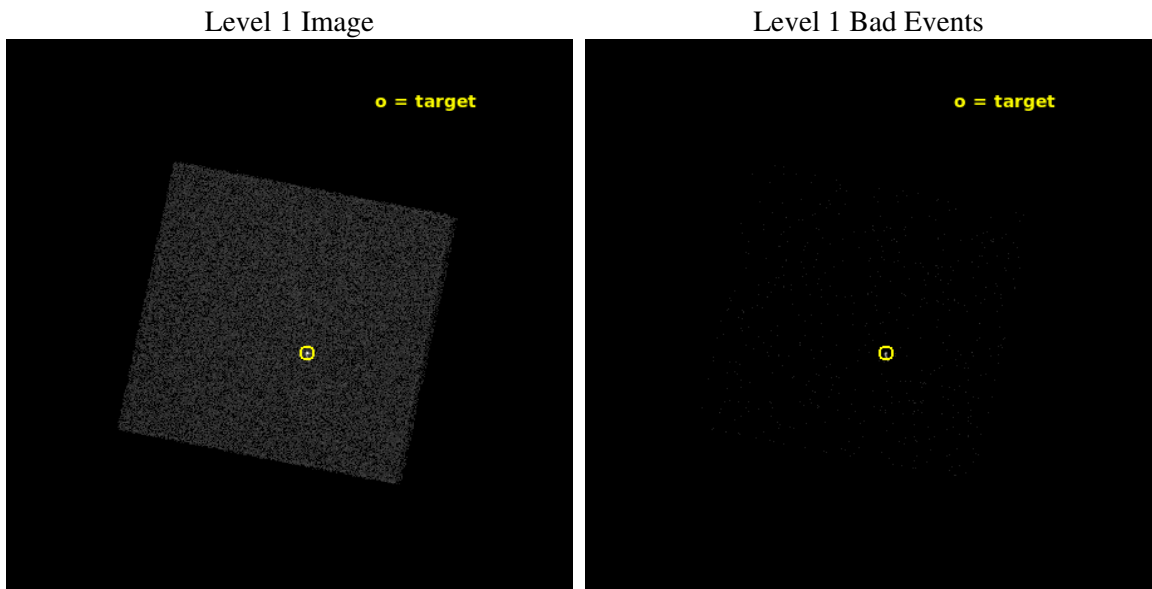
seq_num	290482	Sequence number
obs_id	5990	Observation id
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.21772196268	Nominal RA [deg]
dec_nom	45.798688453205	Nominal Dec [deg]
roll_nom	236.54730016251	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1144.9250527322	[s]
livetime	1135.4329240688	Ontime multiplied by DTCOR
l2events	56343	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1144.9250527322	[s]
caldsver	4.9.2	 	l1events	188297	Number of level 1 events
date	2020-10-11T00:59:30	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

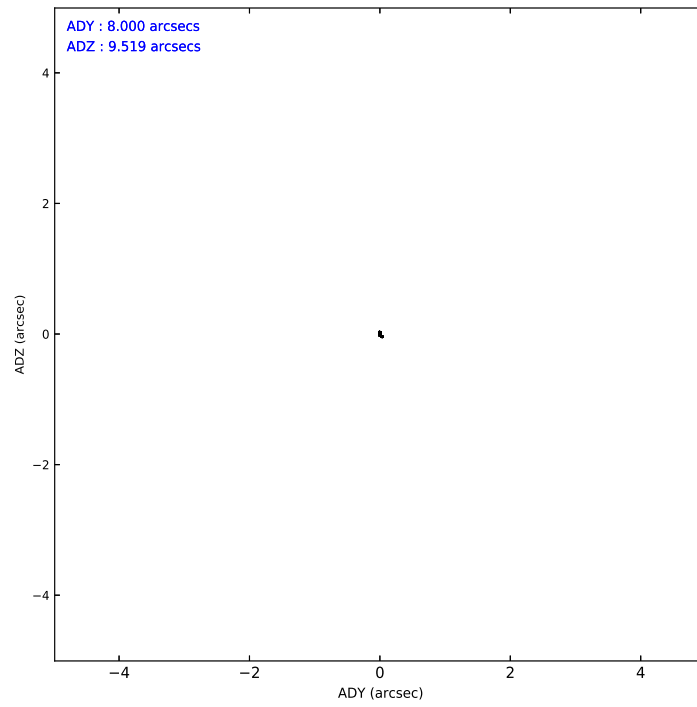
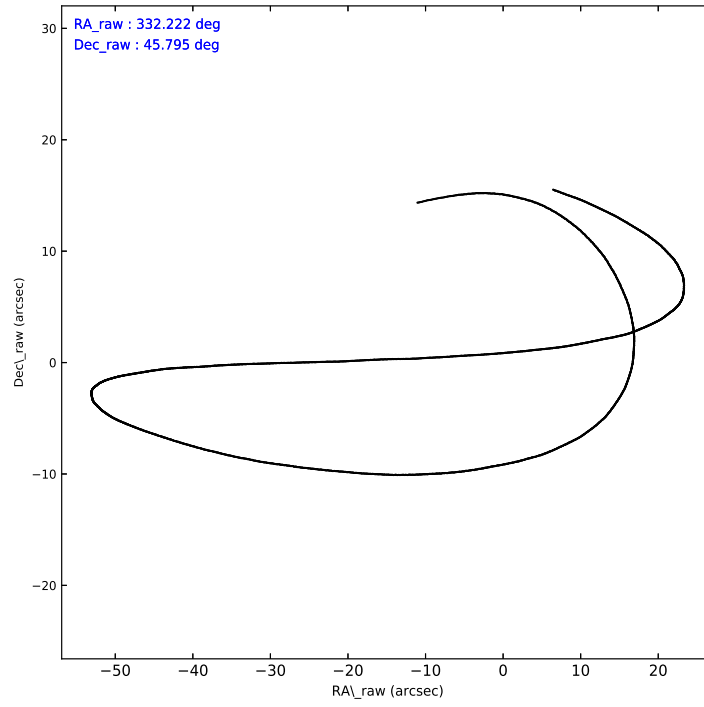
	segment 0
level 1 events	188297
rejected events	108843
rejected %	57%

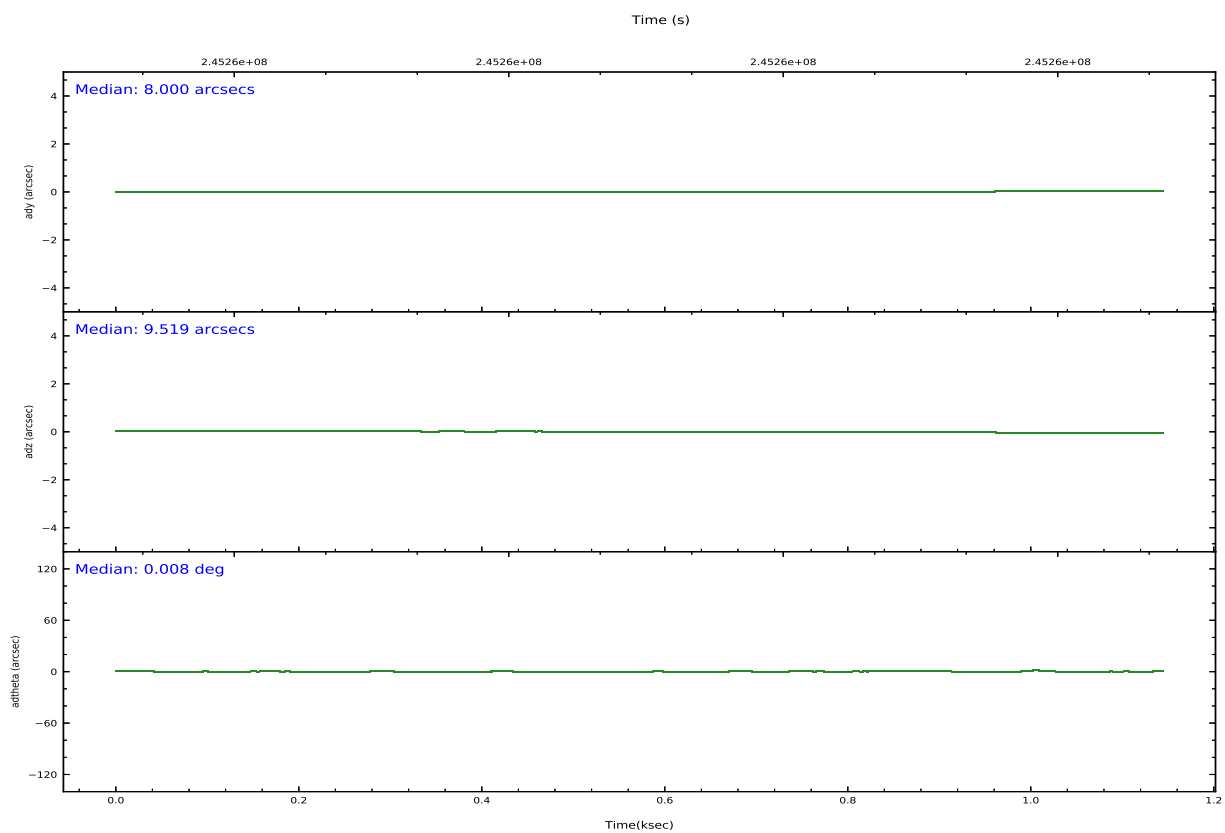
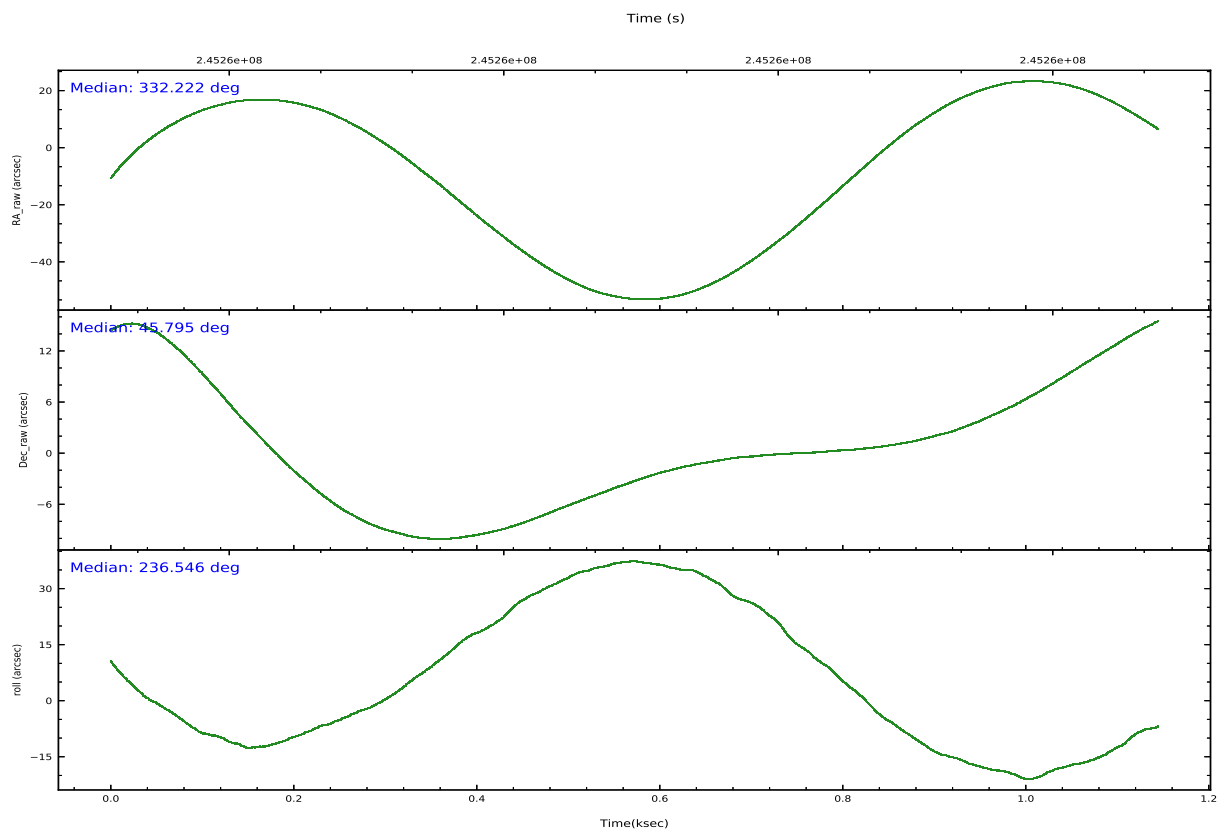
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.218995	332.21772196268
[deg] Pointing Dec	45.822767	45.798688453205
[deg] Pointing Roll	236.652807	236.54730016251
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	245258516.184000	245256877.99577
Observation start date	2005-10-09T15:20:52	2005-10-09T14:54:37
[s] Observation end time (MET)	245259516.184000	245259650.1084
Observation end date	2005-10-09T15:37:32	2005-10-09T15:40:50

Parameter	Planned	Actual
Obspar version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



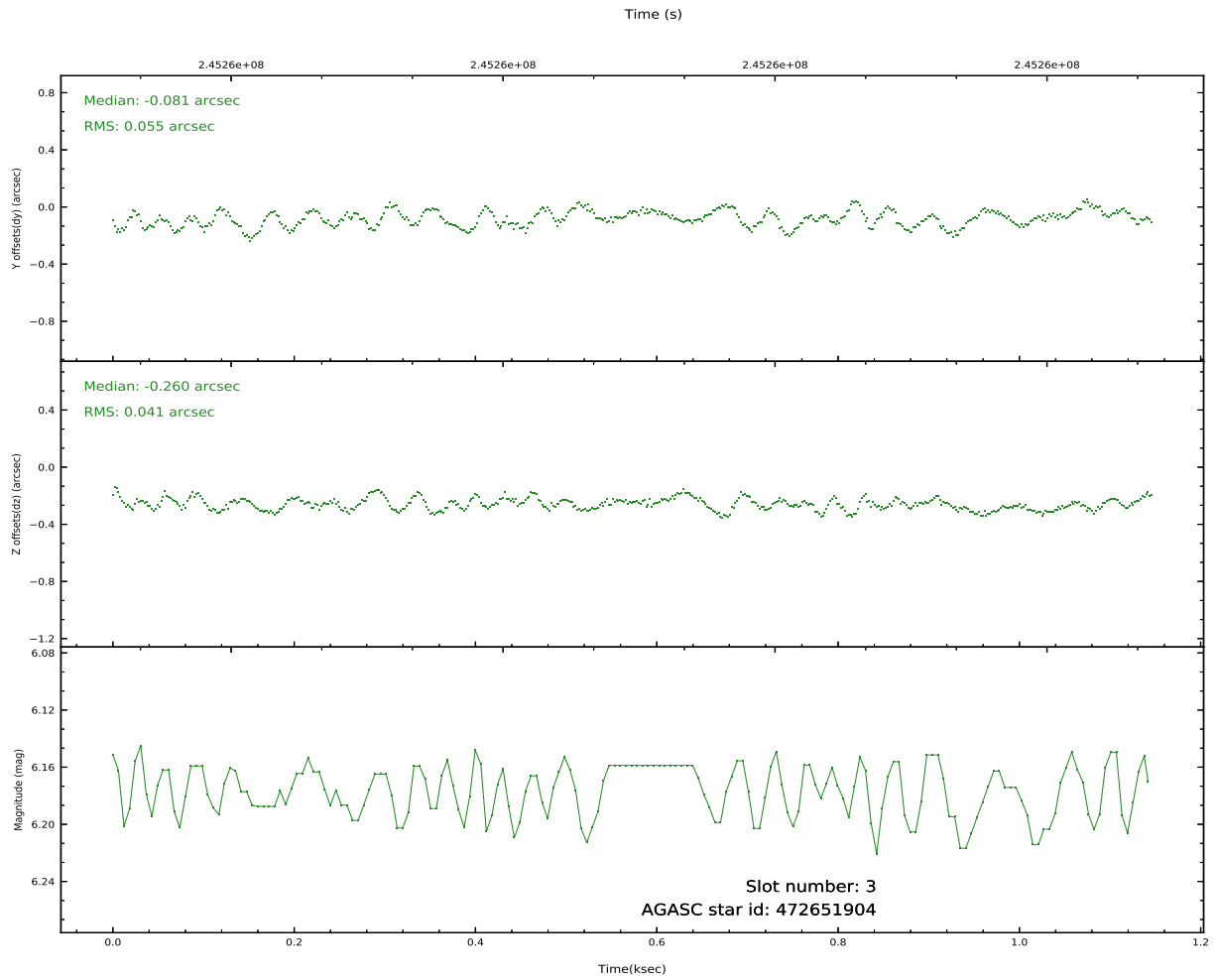
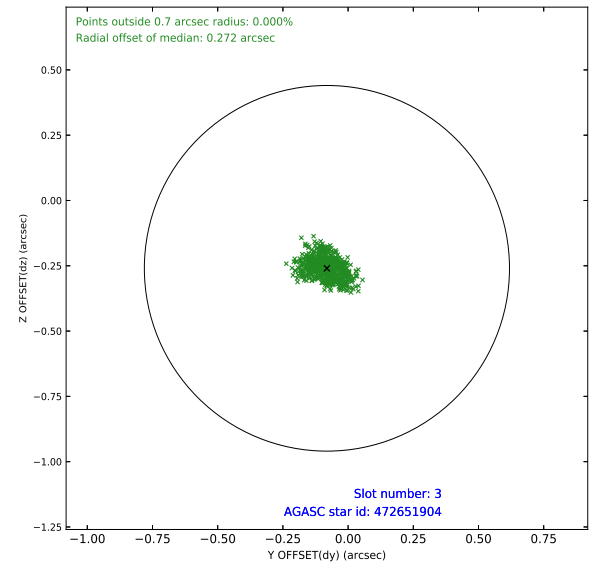
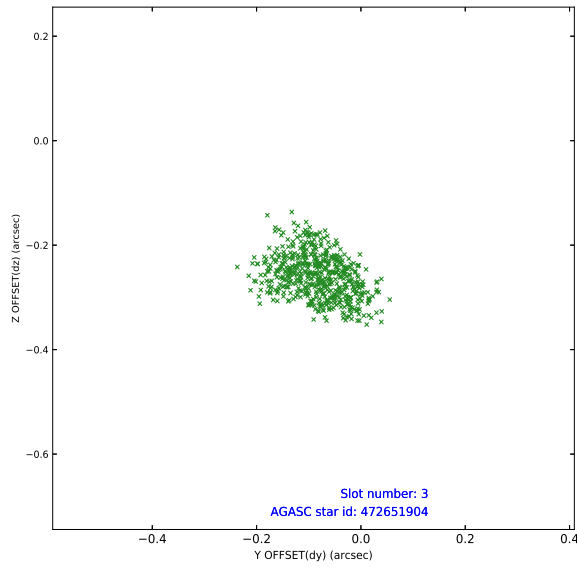


Slot Statistics

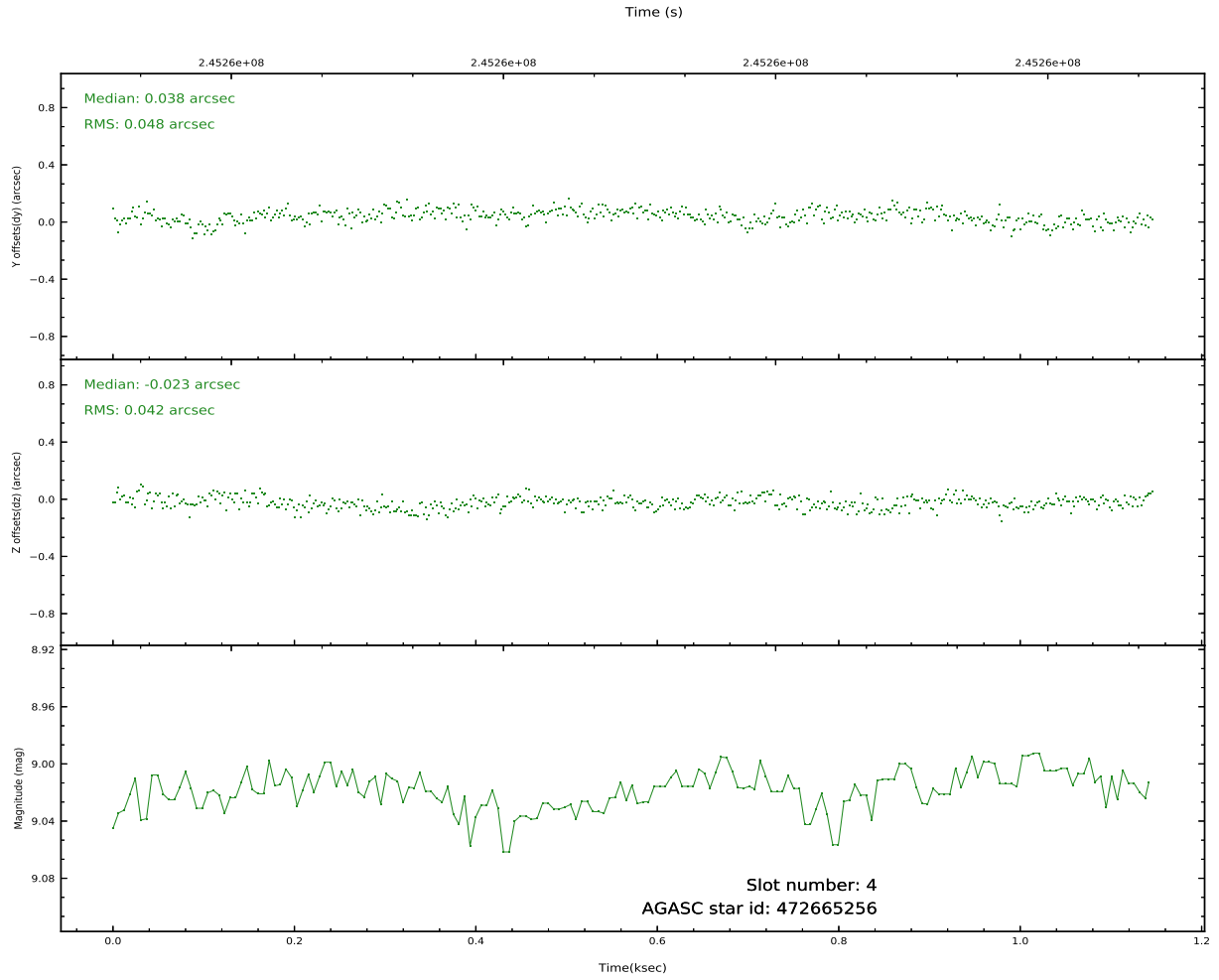
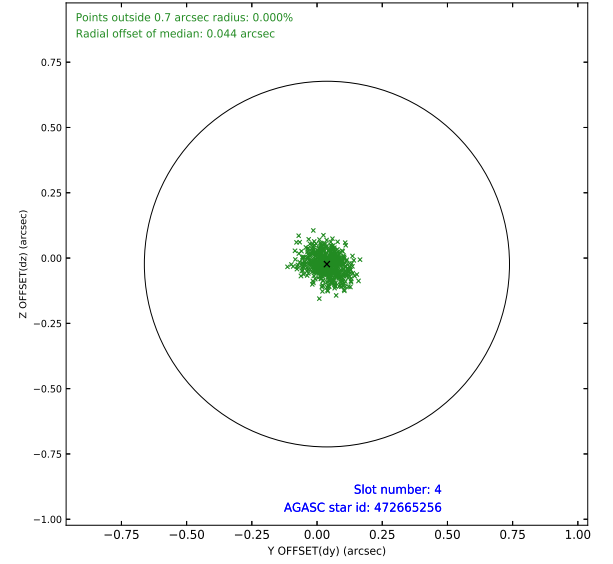
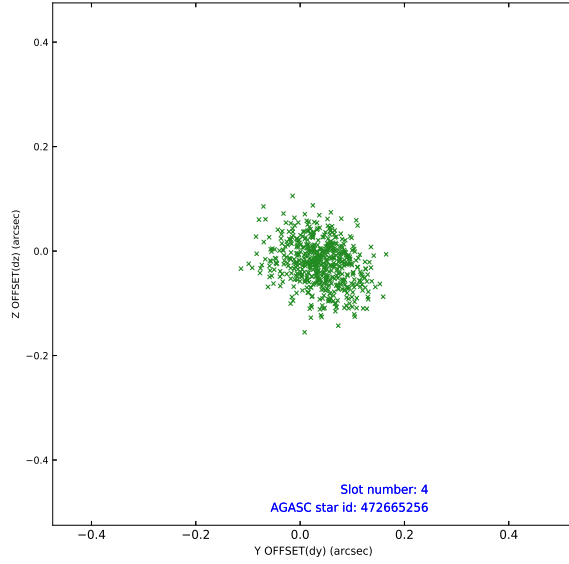
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.98	280	1.000	-0.044	0.027	0.008	0.012	0.000000	0.000000	-763.64	-1297
1	FID		HRC-I-2	7.02	280	1.000	0.158	-0.082	0.006	0.013	0.000000	0.000000	846.46	-1303
2	FID		HRC-I-3	7.08	280	1.000	0.005	-0.035	0.007	0.013	0.000000	0.000000	-1189.08	1002
3	GUIDE	used	472651904	6.18	560	1.000	-0.081	-0.260	0.074	0.115	332.170077	45.742257	310.59	51
4	GUIDE	used	472665256	9.02	560	1.000	0.038	-0.023	0.069	0.111	332.808125	46.195041	-1929.40	482
5	GUIDE	used	472523760	8.26	560	1.000	0.048	0.166	0.056	0.092	331.645363	45.403260	2052.05	-386
6	GUIDE	used	472533912	9.15	560	1.000	-0.090	0.045	0.100	0.160	331.791136	46.368695	-1055.18	-1974
7	GUIDE	used	472655152	9.43	559	1.000	0.095	0.072	0.109	0.178	332.504239	45.862991	-515.84	509

2.4 Star Slots

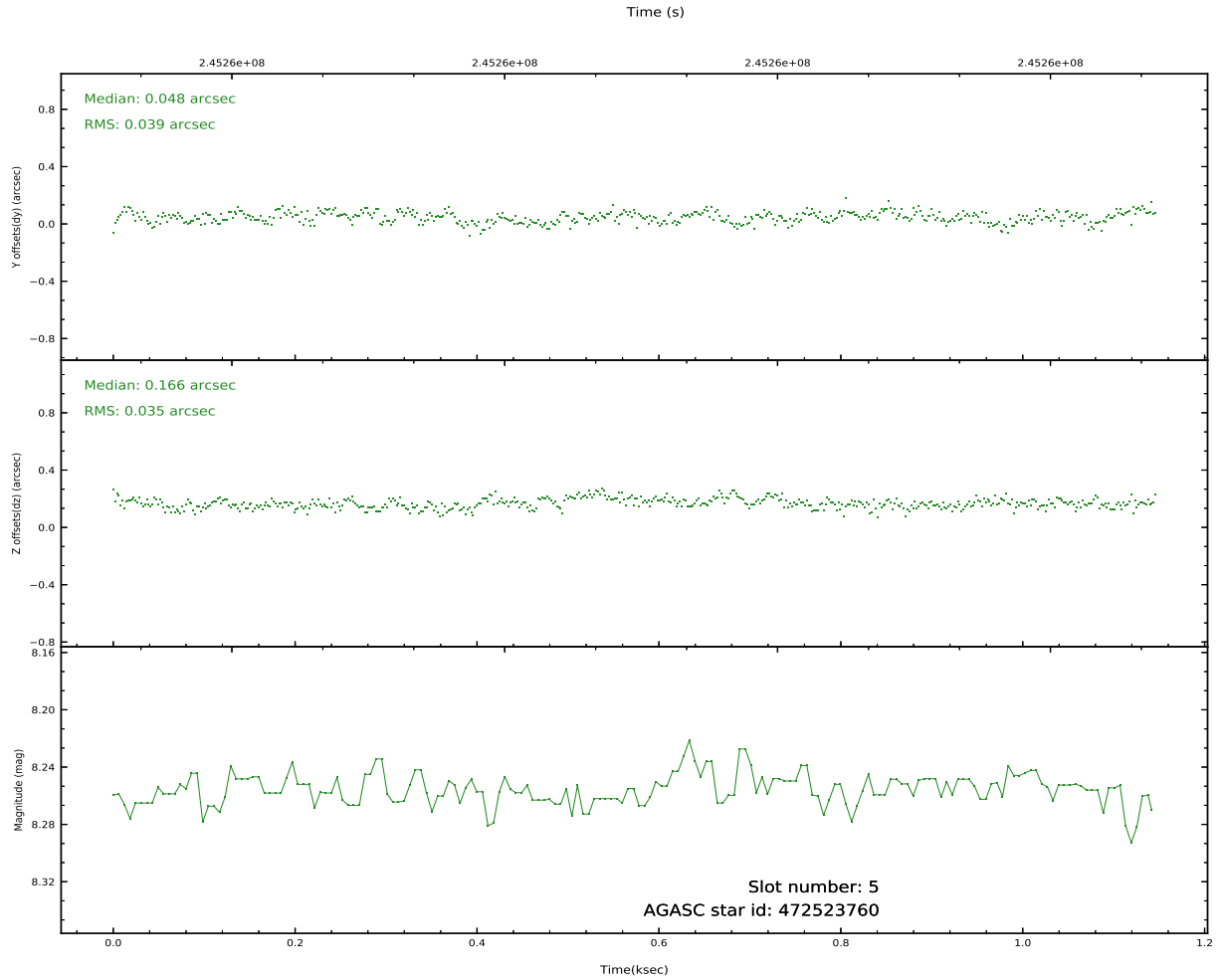
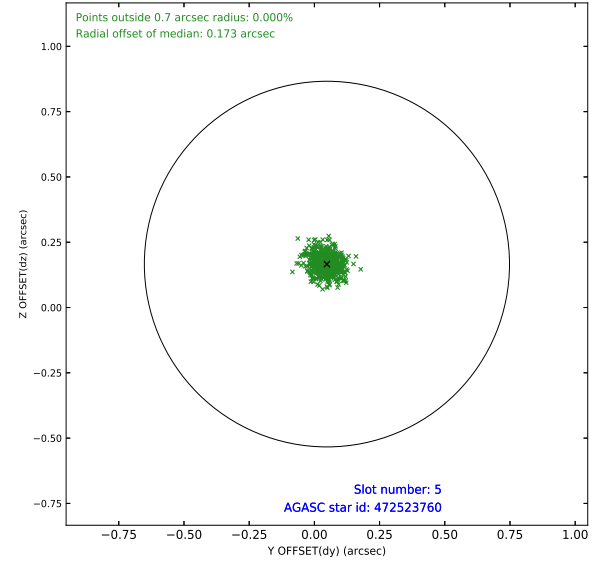
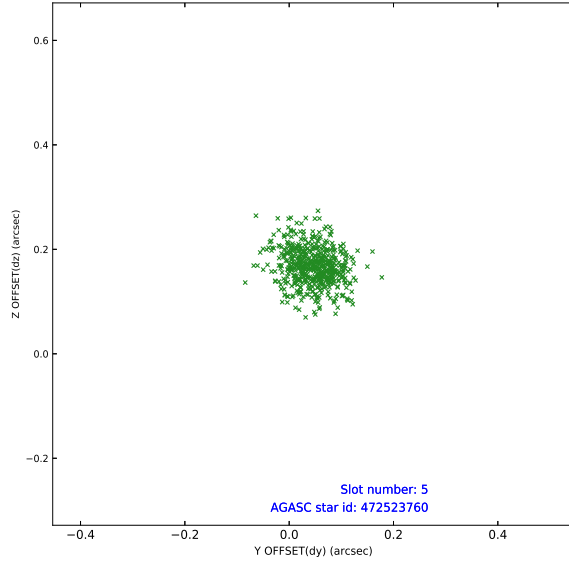
2.4.1 Slot 3



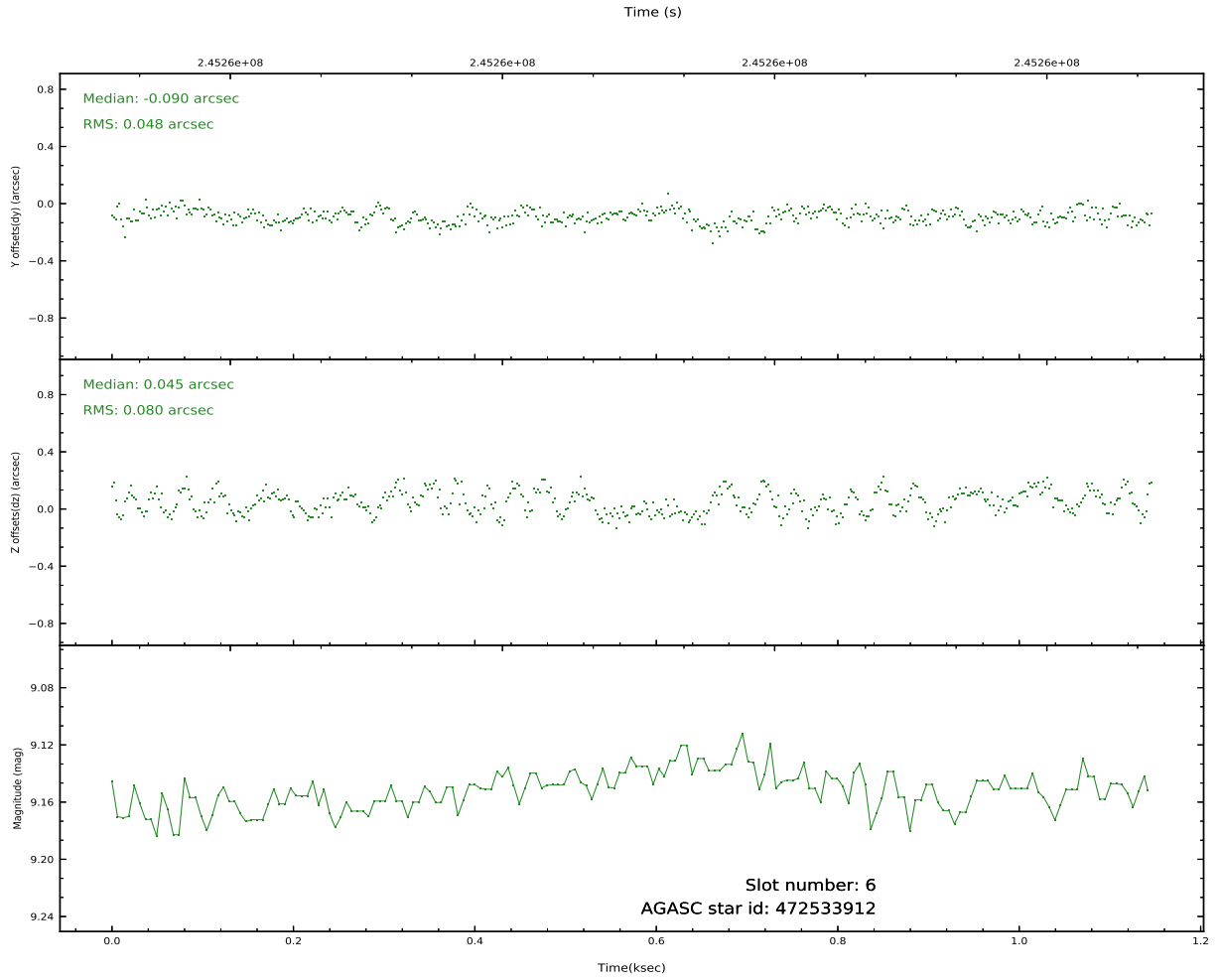
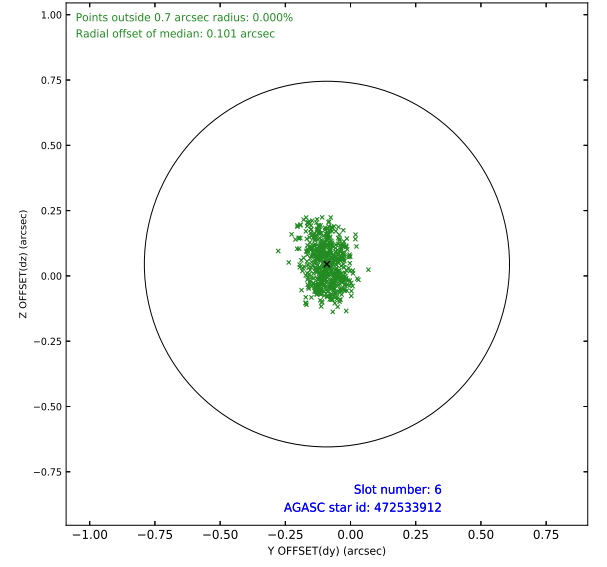
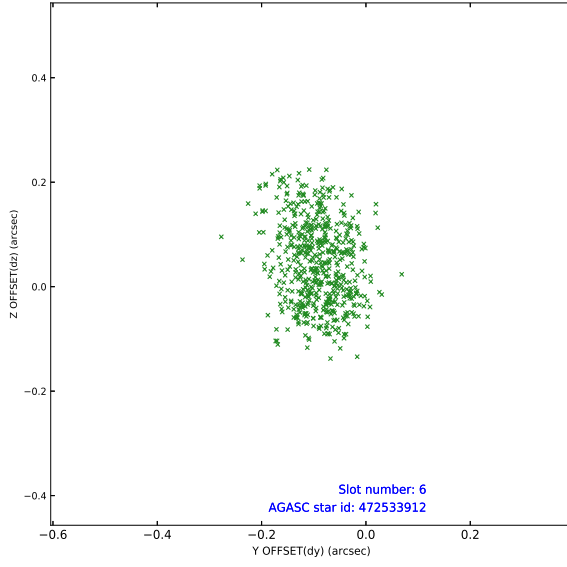
2.4.2 Slot 4



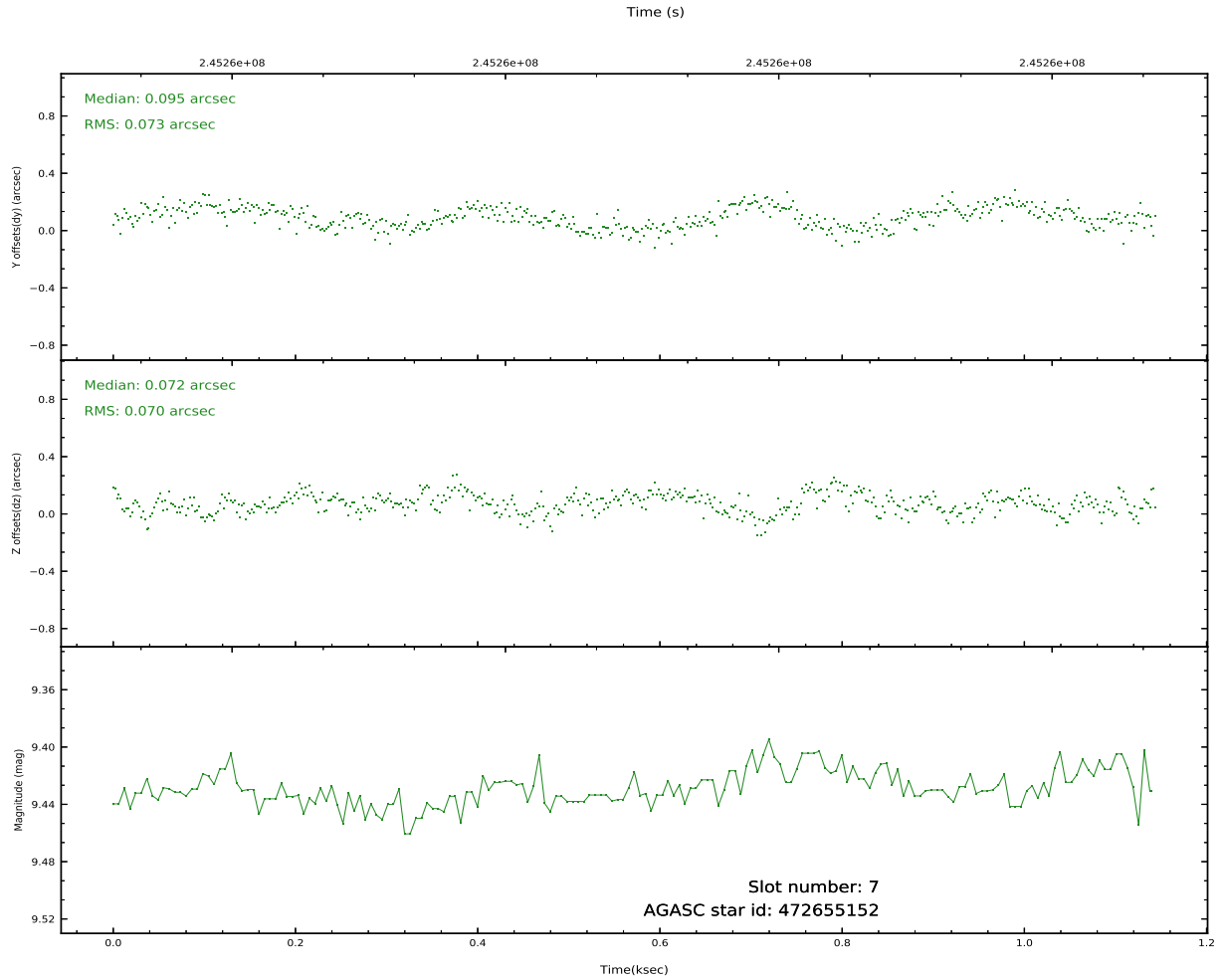
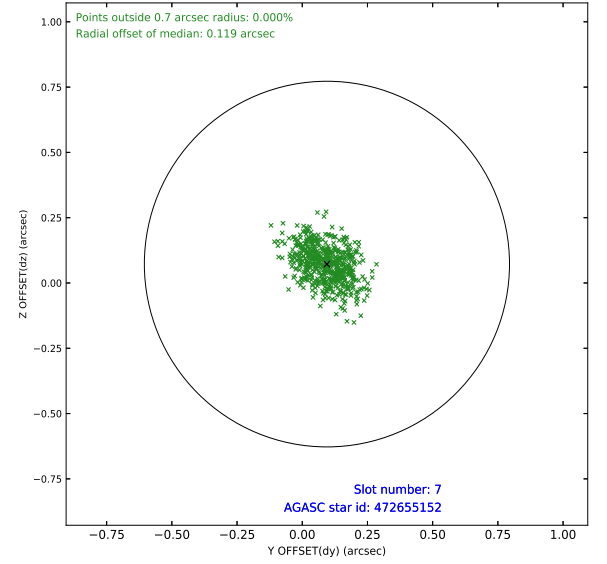
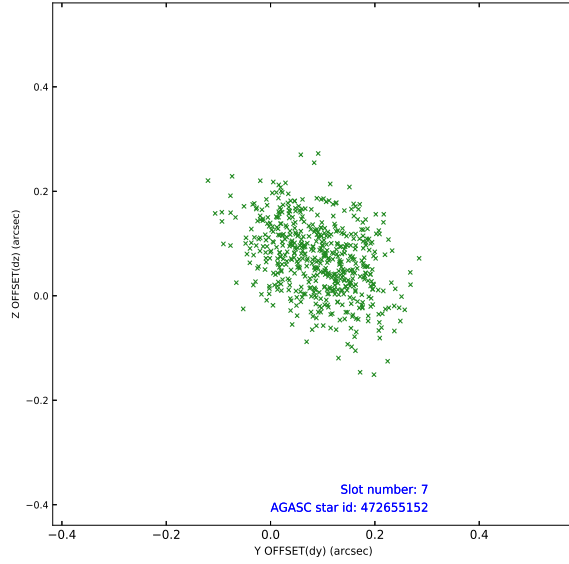
2.4.3 Slot 5



2.4.4 Slot 6

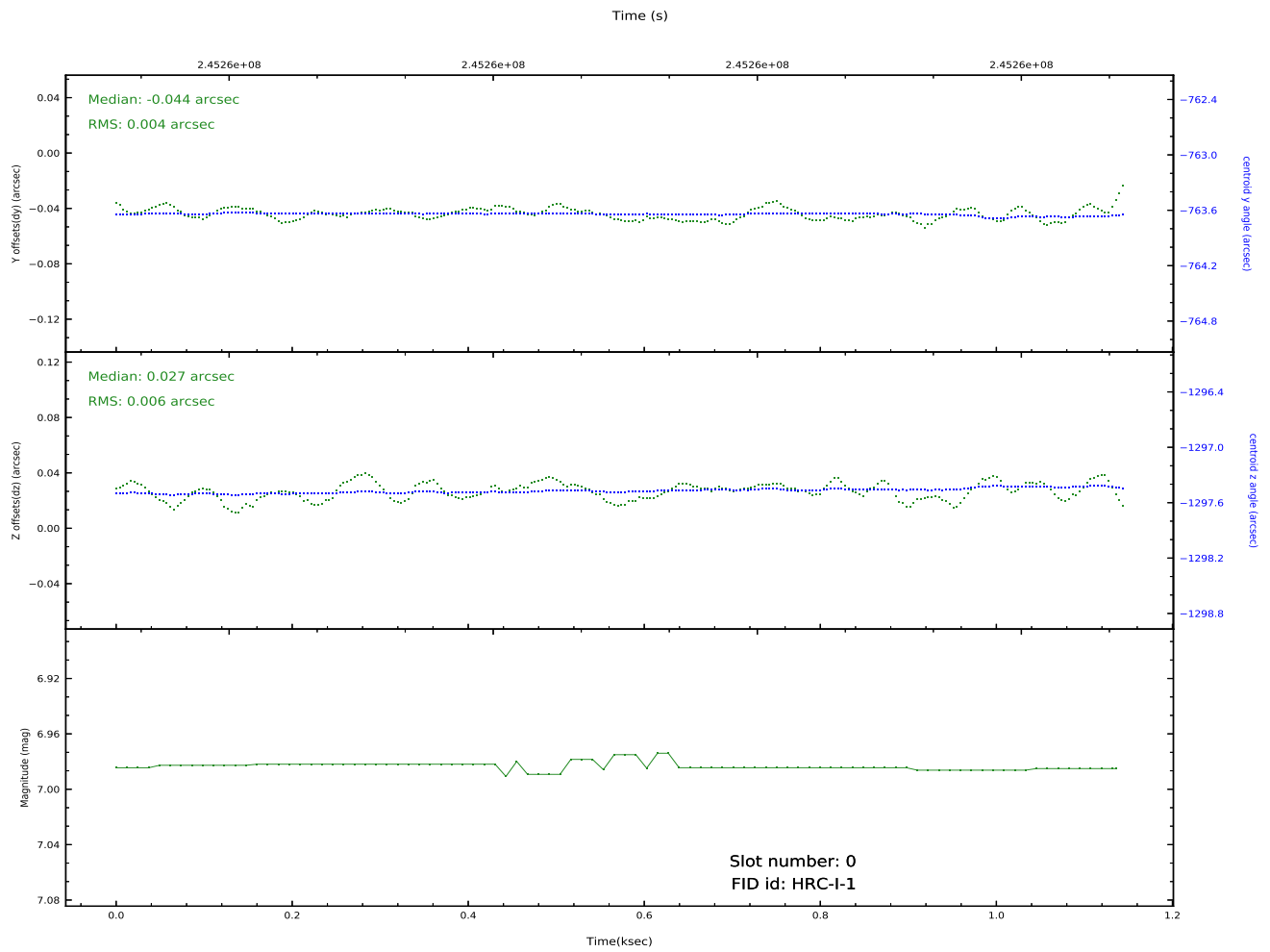
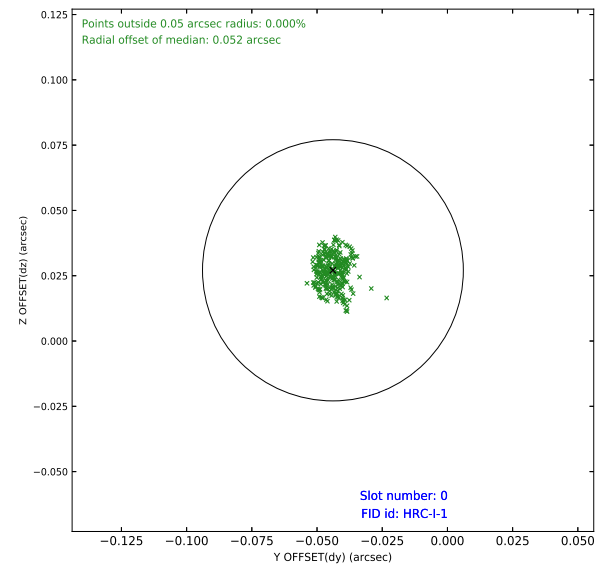
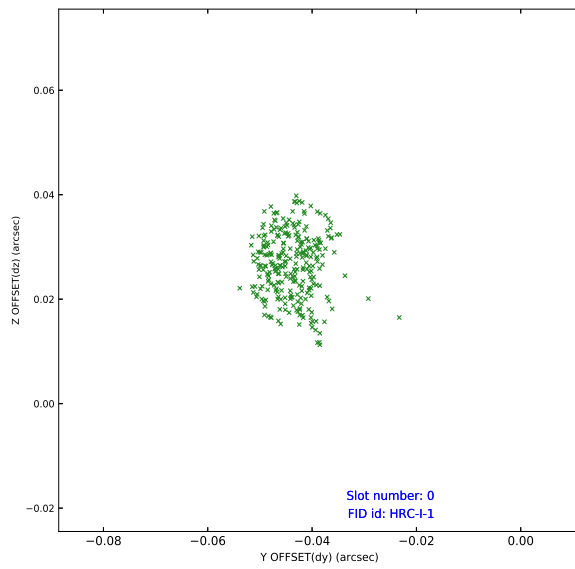


2.4.5 Slot 7

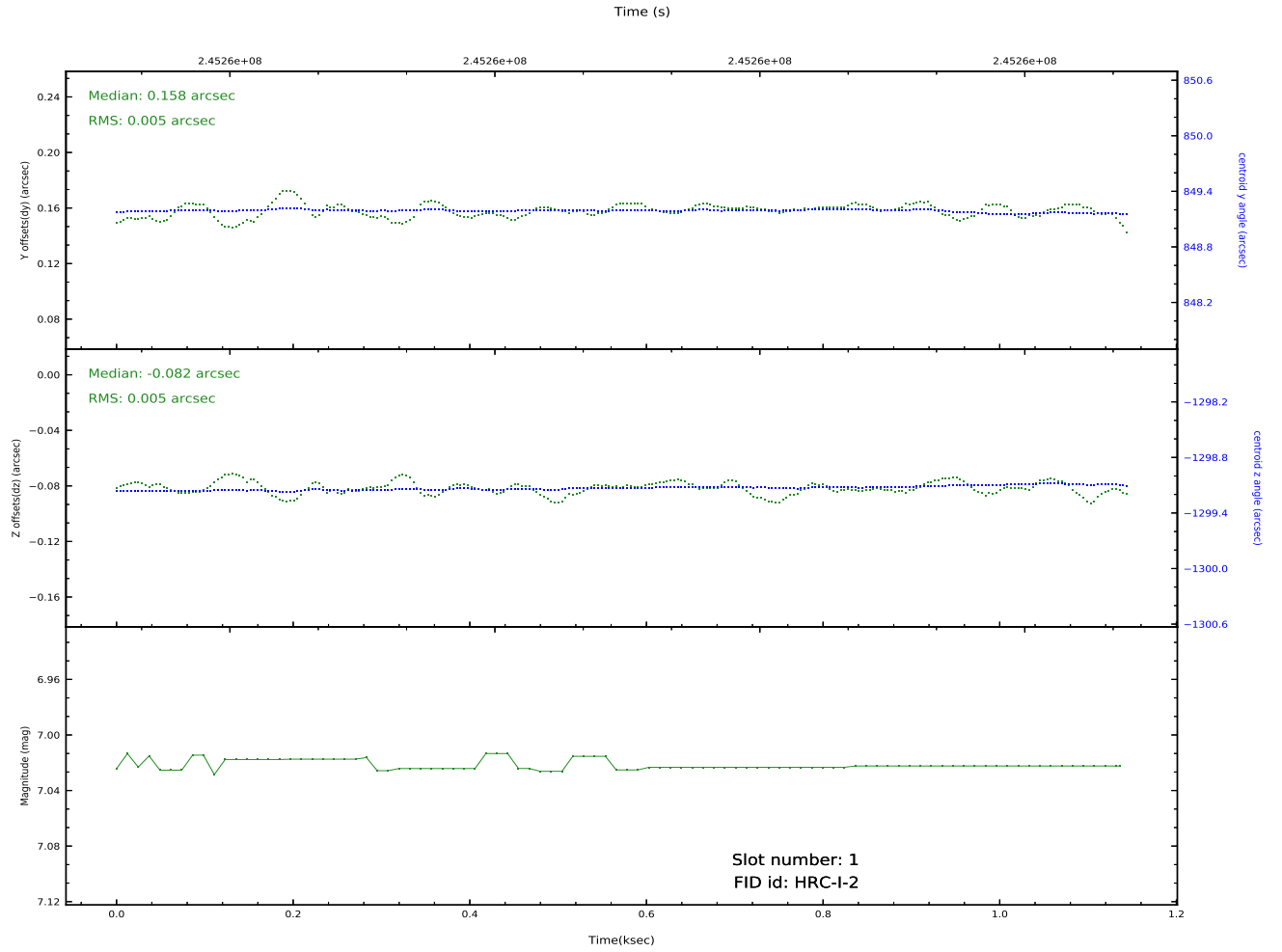
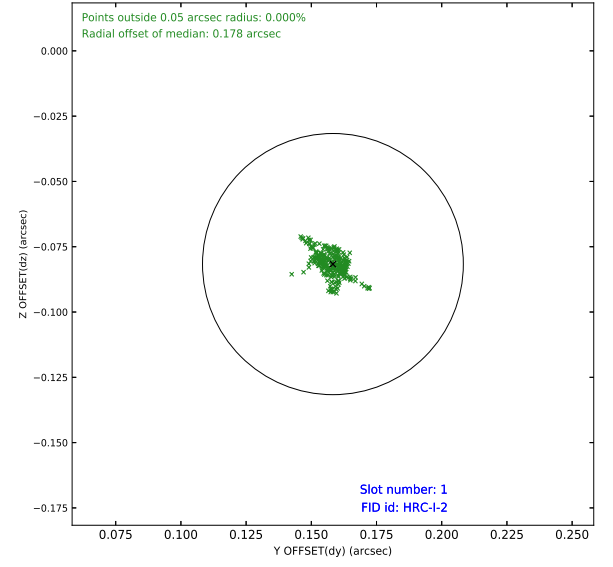
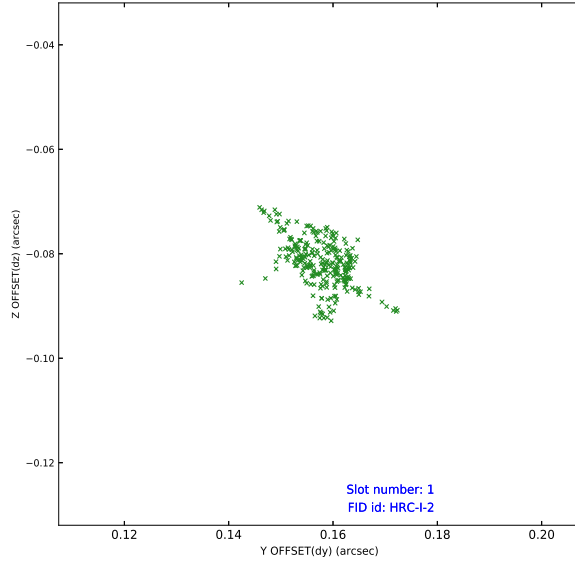


2.5 FID Slots

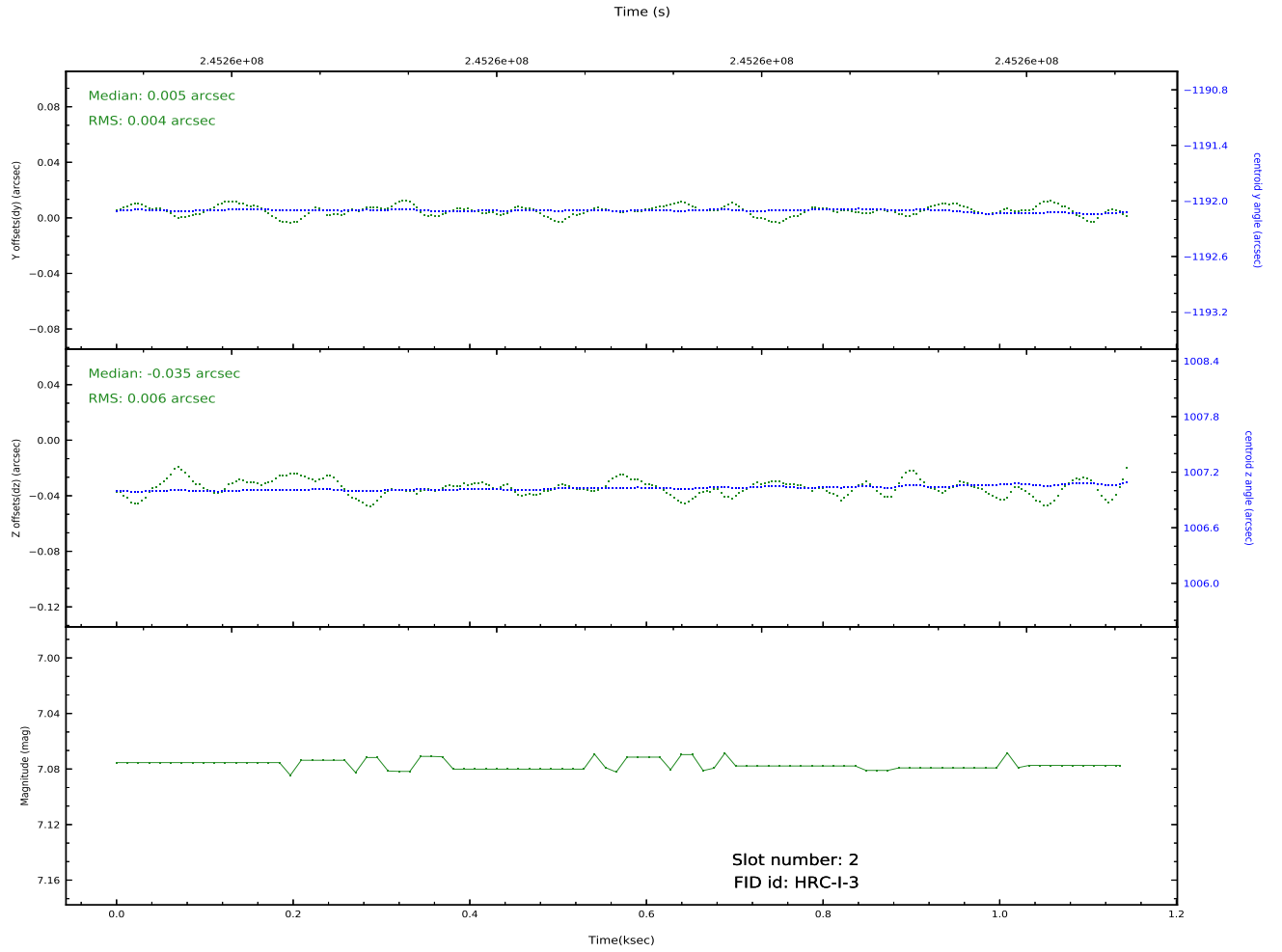
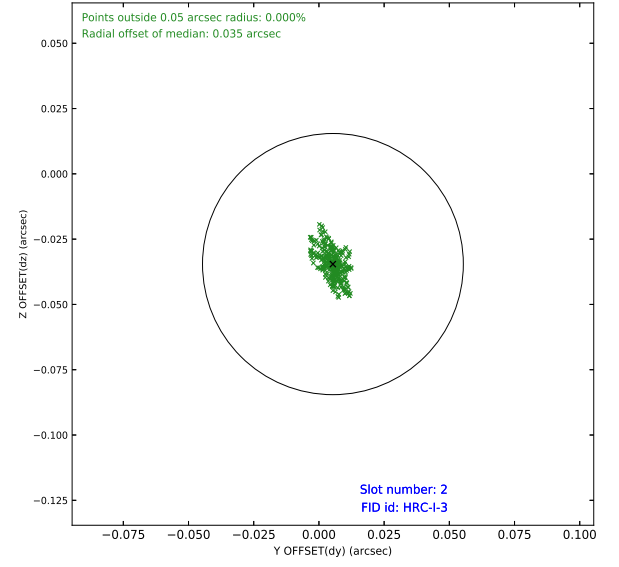
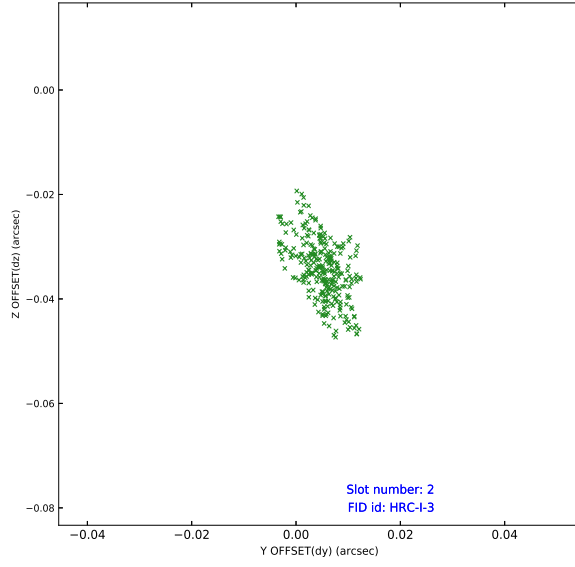
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.145181

A.2 Comments